



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY  
ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED

By Carol Day at 8:07 am, Jun 02, 2014

REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 097462	PRINTER SN 096, 3580, 960	DATE OF INSPECTION 5-31-2014
LOCATION OF INSTRUMENT (STREET AND CITY) 1781 Zumbach Rd, St. Charles, Mo. 63003		TIME OF INSPECTION 0756 hrs

CHECKLIST: Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

☒ DIGITAL READOUT (ALL ELEMENTS OPERATIONAL) ok

☒ TEMPERATURE OF ALCO SENSOR (10°C - 40°C) ok

☒ PRINTER WORKING PROPERLY ok

☒ TIME AND DATE DISPLAYING PROPERLY ok

BREATH ALCOHOL ACCURACY STANDARDS

☒ SIMULATOR SOLUTION

☐ COMPRESSED ETHANOL-GAS MIXTURE

☒ STANDARD SUPPLIER Smith Laboratories LOT # 13100 EXP. DATE 7/18/14

☒ SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIMULATOR SN 502248 SIMULATOR EXP DATE 1/17/2015

☒ CALIBRATION CHECK - (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)

Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)

☒ 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE

☐ 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE

☐ 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 • 0.0%

TEST 2 • 0.0%

TEST 3 • 0.100%

☒ RFI DETECTOR OPERATING ok

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:  
(DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS 0 (0-.04) 0 (.05-.09) 0 (.10-.14) 0 (.15-.19) 0 (OVER .19) 0

List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

INSPECTING OFFICER

SIGNATURE

P.O. Daniel Allen 196

TYPE ALTERNATE INSPECTION DATE

230656 11/18/2015

PRINT NAME

Daniel Allen

TELEPHONE NUMBER

(636) 949-3300

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office  
2875 James Boulevard  
Poplar Bluff, MO 63901



## **GUTH LABORATORIES, INC.**

590 NORTH 6TH STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

### **CERTIFICATE OF ANALYSIS**

**Certified Alcohol Reference Solution for Simulator**

Random Samples of Lot Number **12100** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **July 20, 2012**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1217%** (w/vol) ethyl alcohol. The expiration date for this lot number is **July 18, 2014** at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L +/- 3%**.

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President  
GUTH LABORATORIES, INC.

***NIST Traceability:***

*Testing was conducted using Cerilliant Reference Standard lot number FN122211-02 whose values are traceable to NIST.*

*All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.*

AS IV Serial no: 897462  
Version no: 532B

TEST RECORD 00031

Temp Date Time 210L

Air Blank:  
05/31/14 07:56 .000  
Calibration Check:  
22 05/31/14 07:56 .100  
Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

Location

1781 Zumbach

St. Charles, Mo

AS IV Serial no: 897462  
Version no: 532B

TEST RECORD 00033

Temp Date Time 210L

Air Blank:  
05/31/14 07:59 .000  
Calibration Check:  
22 05/31/14 07:59 .100  
Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

Location

1781 Zumbach

St. Charles, Mo

AS IV Serial no: 897462  
Version no: 532B

TEST RECORD 00032

Temp Date Time 210L

Air Blank:  
05/31/14 08:58 .000  
Calibration Check:  
21 05/31/14 08:58 .000  
Subject Name

Operator Name, I.D.

Allen 196

1781 Zumbach

St. Charles, Mo

AS IV Serial no: 897462  
Version no: 532B

TEST RECORD 00034

Temp Date Time 210L

QUICK REF:  
12 05/31/14 08:01  
Subject Name

Operator Name, I.D.

Allen 196

1781 Zumbach

St. Charles, Mo